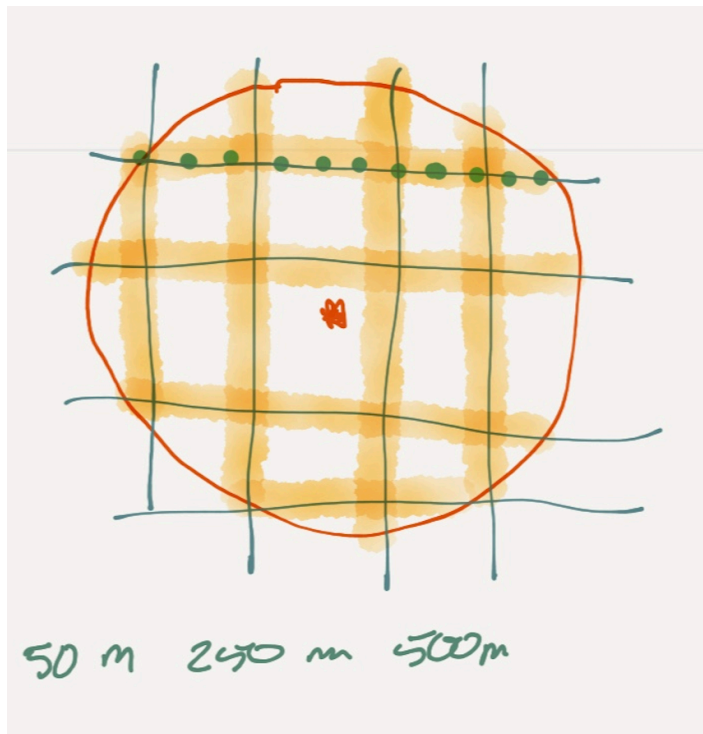


GreenIndex in Searchable Circle Area

Bing Zhang (bing@illinois.edu)

GreenIndex in Circle Area



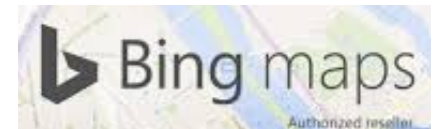
Walk Score® 



- geographical database:
 - 10 million geographical names.
 - serving up to over 150 million web service requests per day.
 - lat/long coordinates are in WGS84.
 - Users manually edit, correct and add new names.

- GeoNames Users:

- Apple SnowLeopard, Ubuntu
- Bing Maps, Microsoft Popfly, Multimap
- Adidas and Nike
- ESRI, DigitalGlobe and Spot Image
- New York Times, BBC, Norwegian Broadcas
- More...



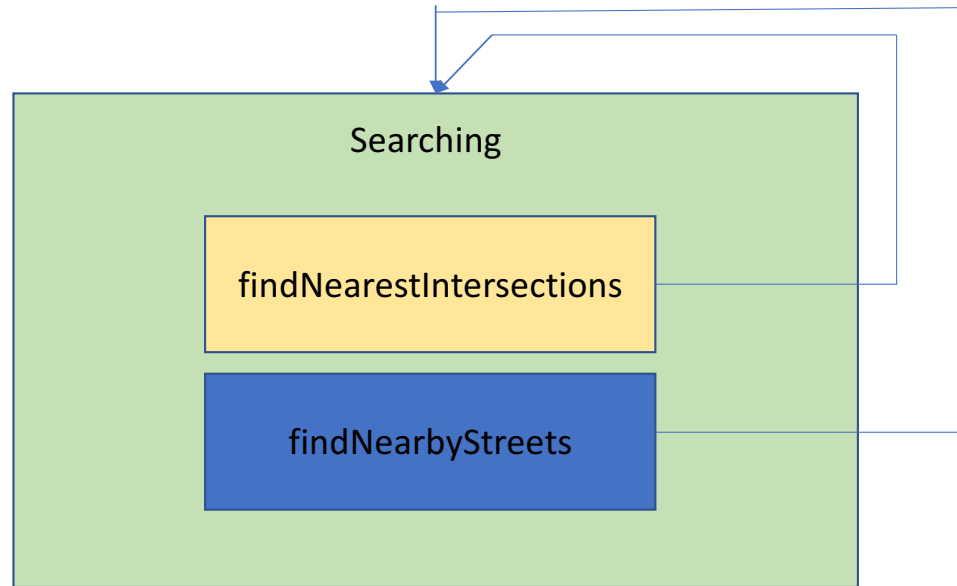
Free Rest API

- findNearestIntersection
 - 2000 credit per hour limits.
 - At most 1000 meters search radius.
 - At most 10 intersection pairs. $C(4,2)=6$

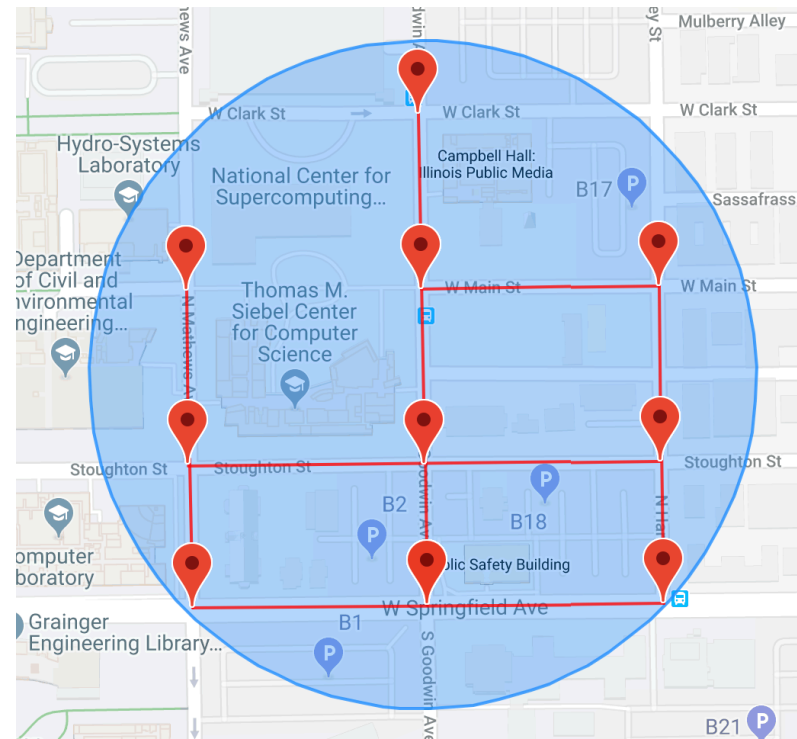
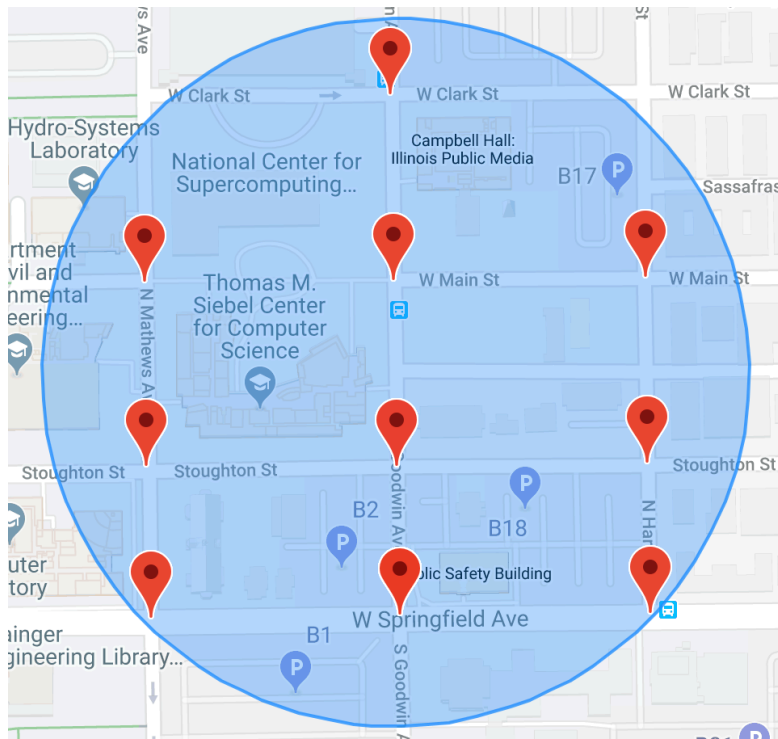


Extension Search

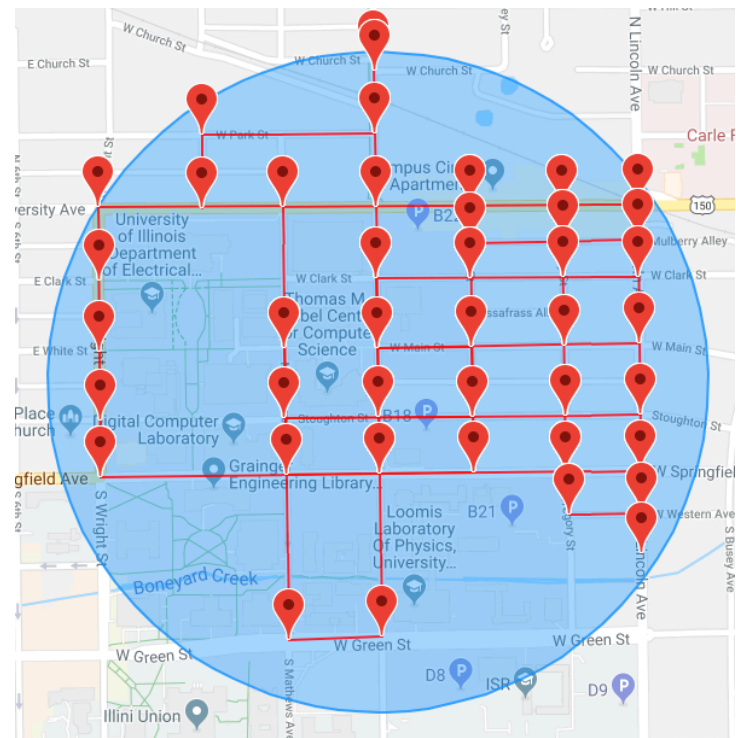
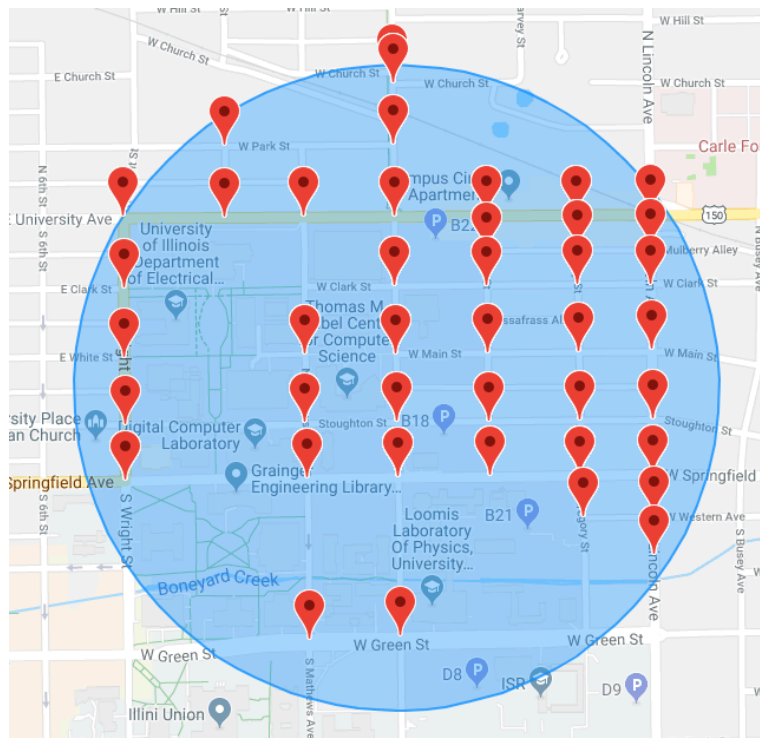
- Graph search with paths cuts.



Intersections, Routes in 200 meters



Intersections, Routes in 500 meters



Intersections, Routes in 900 meters

